

EUROPEAN PATENT OFFICE

4262-EP
C.R. 103

Patent Abstracts of Japan

PUBLICATION NUMBER : 06016971
PUBLICATION DATE : 25-01-94

APPLICATION DATE : 30-06-92
APPLICATION NUMBER : 04173464

APPLICANT : NIPPON SHIRIKA KOGYO KK;

INVENTOR : FUJII AKIRA;

INT.CL. : C09D 5/04 C09C 1/30 C09D 5/00 C09D 7/12

TITLE : METHOD FOR IMPROVING ALKALI RESISTANCE OF COATING MATERIAL

ABSTRACT : PURPOSE: To obtain a coating material having improved alkali resistance and giving a matte coating film having excellent alkali resistance by compounding a coating material with wet-process fine silica powder surface-treated to exhibit hydrophobic property.

CONSTITUTION: A coating material is compounded with wet-process hydrophobic fine silica powder surface-treated to get a di-n-butylamine adsorption of ≤ 40 m-mol/kg. The fine powder preferably has a BET specific surface area of 30-150m²/g and a secondary particle diameter of 0.5-10 μ m. The fine powder can be produced e.g. by spraying an organopolysiloxane such as dimethylsilicone oil to silica powder and heating at 250-350°C for 0.5-2hr.

COPYRIGHT: (C)1994,JPO&Japio